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Carl W. Steidley, J. Tim Coppinger

March 2001 **The Journal of Computing in Small Colleges**, Volume 16 Issue 3

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1 [Fast detection of communication patterns in distributed executions](#)


Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**Full text available:  [pdf\(4.21 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

2 [Federated database systems for managing distributed, heterogeneous, and autonomous databases](#)


Amit P. Sheth, James A. Larson

September 1990 **ACM Computing Surveys (CSUR)**, Volume 22 Issue 3Full text available:  [pdf\(5.02 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

A federated database system (FDBS) is a collection of cooperating database systems that are autonomous and possibly heterogeneous. In this paper, we define a reference architecture for distributed database management systems from system and schema viewpoints and show how various FDBS architectures can be developed. We then define a methodology for developing one of the popular architectures of an FDBS. Finally, we discuss critical issues related to developing and operating an FDBS.

3 [Interconnecting heterogeneous computer systems](#)

David Notkin, Andrew P. Black, Edward D. Lazowska, Henry M. Levy, Jan Sanislo, John Zahorjan

March 1988 **Communications of the ACM**, Volume 31 Issue 3Full text available:  [pdf\(1.95 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A software structure created by the Heterogeneous Computer Systems (HCS) Project at the University of Washington was designed to address the problems of heterogeneity that typically arise in research computing environments.

4 [Distributed systems - programming and management: On remote procedure call](#)

Patrícia Gomes Soares